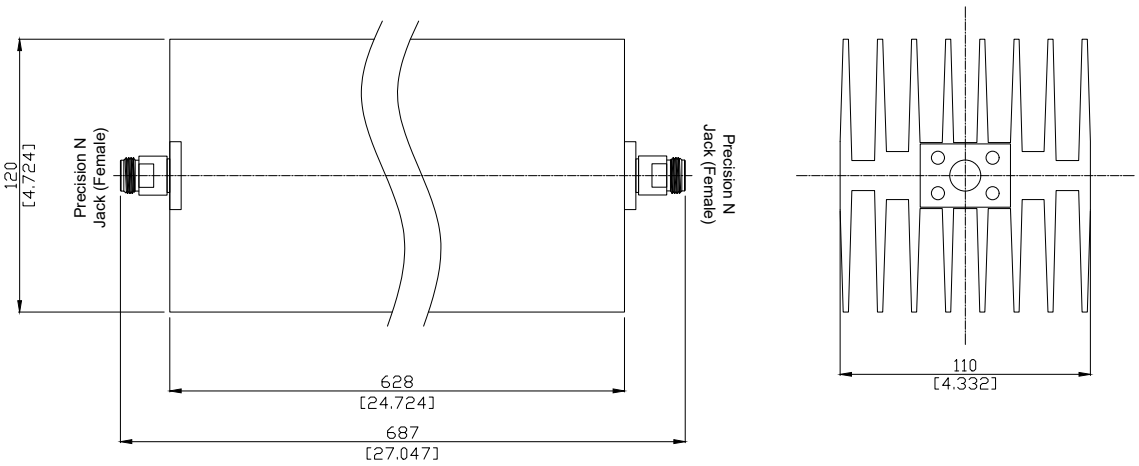
ROSNOL
RF/Microwave Interconnect

Technical Data Sheet

Fixed Attenuator N Male To N Female Up To 10 GHz Rated To 500 Watts

FA-N2N25A-10G500W20 / 9X-9X



All dimensions are in mm [inch]
Tolerances according to DIN ISO 2768-mH

Interface

According to	IEC 60169-16; MIL-STD-348A/402; CECC 22210

Electrical Data

Impedance	50 Ω
Frequency	DC to 10 GHz
VSWR (Return Loss)	≤ 1.35(≥ 16.5 dB)
Power Rating	500 W

Frequency (GHz)	10
VSWR	1.35
Nominal Attenuation (dB)	20
Deviation (± dB)	-4/+3

Material And Plating

Piece Parts	Material	Plating
Centre Contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Gasket	Silicone Rubber	
Piece Parts	**Material**	**Plating**
Centre Contact	Beryllium Copper	Gold plating, 3 μinch (Non-magnetic nickel-phosphorus underplating, 80 μinch)
Body	Stainless Steel	Passivated
Insulator	PTFE	
Heat Sink	**Material**	**Plating**
Body	Aluminum	Anodize Black

Rosnol RF/Microwave Technology Co., Ltd.
www.rosnol.com; info@rosnol.com
Phone: +886-3-463-5095 / Fax: +886-3-463-5952
N-CAGE Code: SFKK0 / ISO9001 Certified

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Mechanical Data

Coupling mechanisms	Screw-lock
Mating Cycles	≥ 500
Coupling Nut Retention	≥ 450 N
Center Contact Captivation: axial	≥ 28 N
Coupling Test Torque	1.70 Nm max.
Weight	8.8 kg

Environmental Data

Temperature Range	-55°C to + 125°C
Thermal shock	MIL-STD-202, Method 107, Condition B
Corrosion	MIL-STD-202, Method 101, Condition B
Vibration	MIL-STD-202, Method 204, Condition B
Shock	MIL-STD-202, Method 213, Condition I
Moisture Resistance	MIL-STD-202, Method 106
RoHS	compliant

Packing

Single or 100

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